

CLAIMS

We claim:

1. A windshield assembly for a motorcycle, the windshield assembly comprising:

5 a windshield; and

at least one clamp coupled to the windshield, the clamp securable to a portion of the motorcycle in a secured condition, and the clamp releasable from the portion of the motorcycle in an unsecured condition, the clamp including a receiving portion capable of at least partially receiving the portion of the

10 motorcycle, and a linkage that is movable between first and second positions;

wherein the clamp is in the unsecured condition when the linkage is in the first position, wherein the clamp is in the secured condition when the linkage is in the second position, and wherein the portion of the motorcycle is received by the receiving portion and secured by the linkage when the clamp is in the secured condition such that the receiving portion and the linkage do not interlock with each other to secure the portion of the motorcycle within the clamp.

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2. The windshield assembly of claim 1, wherein the linkage includes a lever movable to actuate the linkage between the first and second positions.

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3. The windshield assembly of claim 1, wherein the clamp is biased toward the unsecured condition when the linkage is over center in one direction.

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4. The windshield assembly of claim 3, wherein the clamp is biased toward the secured condition when the linkage is over center in an opposite direction.

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5. The windshield assembly of claim 1, wherein the linkage includes a link movable by the motorcycle to actuate the linkage from the first position toward the second position when the motorcycle is at least partially received within the clamp.

6. The windshield assembly of claim 1, wherein the linkage includes a jaw movable into contact with the motorcycle when the linkage is moved to the second position, and movable out of contact with the motorcycle when the linkage is moved to the first position.

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7. The windshield assembly of claim 6, wherein the clamp includes a housing, and wherein the receiving portion is part of the housing.

10 8. The windshield assembly of claim 7, wherein the receiving portion is arcuate, and wherein the jaw includes an arcuate portion, the arcuate portion capable of at least partially receiving the portion of the motorcycle when the linkage is moved from the first to the second position.

15 9. The windshield assembly of claim 1, wherein the clamp includes a housing, and wherein the linkage includes:

a link pivotably coupled to the housing about a first axis,
a lever pivotably coupled to the link about a second axis, and
a jaw pivotably coupled to the housing about a third axis and pivotably coupled to the lever about a fourth axis.

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10. A method of making a windshield assembly for a motorcycle, the method comprising:

providing a windshield;

5 coupling a clamp to the windshield, wherein the clamp is securable to a portion of the motorcycle in a secured condition, and releasable from the portion of the motorcycle in an unsecured condition, the clamp including a receiving portion and a linkage that is movable between first and second positions;

10 wherein the clamp is in the unsecured condition when the linkage is in the first position, wherein the clamp is in the secured condition when the linkage is in the second position, wherein the receiving portion receives the portion of the motorcycle in the secured condition, and wherein the receiving portion and the linkage do not interlock with each other in the secured condition.

15 11. The method of claim 10, wherein the linkage includes a lever movable to actuate the linkage between the first and second positions.

12. The method of claim 10, wherein the clamp is biased toward the unsecured condition when the linkage is over center in one direction.

20 13. The method of claim 12, wherein the clamp is biased toward the secured condition when the linkage is over center in an opposite direction.

25 14. The method of claim 10, wherein the linkage includes a link movable by the motorcycle to actuate the linkage from the first position toward the second position when the motorcycle is at least partially received within the clamp.

30 15. The method of claim 10, wherein the linkage includes a jaw movable into contact with the motorcycle when the linkage is moved to the second position, and movable out of contact with the motorcycle when the linkage is moved to the first position.

16. The method of claim 15, wherein the clamp includes a housing, and wherein the housing includes the receiving portion.

17. The method of claim 16, wherein the receiving portion is arcuate and capable of at least partially receiving the portion of the motorcycle, and wherein the jaw includes an arcuate portion, the arcuate portion capable of at least 5 partially receiving the portion of the motorcycle when the linkage is moved from the first to the second position.

18. The method of claim 10, wherein the clamp includes a housing, and wherein the linkage includes:

- 10 a link pivotably coupled to the housing about a first axis,
a lever pivotably coupled to the link about a second axis, and
a jaw pivotably coupled to the housing about a third axis and pivotably coupled to the lever about a fourth axis.

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19. A method of securing a windshield assembly to a motorcycle, the method comprising:

5 providing a windshield assembly including a windshield and at least one clamp coupled to the windshield, the clamp including a receiving portion and a linkage; and

moving the linkage to receive a portion of the motorcycle within the receiving portion and to secure the windshield assembly to a portion of the motorcycle such that the linkage does not interlock with the receiving portion.

10 20. The method of claim 19 further comprising:

moving a lever; and

actuating the linkage with the lever between the first and second positions.

15 21. The method of claim 19 further comprising biasing the clamp toward an unsecured condition when the linkage is over center in one direction.

20 22. The method of claim 21 further comprising biasing the clamp toward a secured condition when the linkage is over center in the opposite direction.

25 23. The method of claim 19, further comprising actuating the linkage from the first toward the second position with the portion of the motorcycle when the portion of the motorcycle is at least partially received within the clamp.

24. The method of claim 19, wherein receiving the portion of the motorcycle within the receiving portion includes receiving the portion of the motorcycle within a housing portion of the clamp.

30 25. The method of claim 19, wherein the portion of the motorcycle includes at least one of handlebars, fork tubes, and a triple tree.

26. A windshield assembly for a motorcycle, the windshield assembly comprising:

a windshield; and

5 at least one clamp coupled to the windshield, the clamp securable to a portion of the motorcycle in a secured condition, and the clamp releasable from the portion of the motorcycle in an unsecured condition, the clamp including a housing, a receiving portion capable of at least partially receiving the portion of the motorcycle, and a linkage that is movable between first and second positions,
10 the linkage including a jaw coupled to the housing and including a free end;

wherein the clamp is in the unsecured condition when the linkage is in the first position, wherein the clamp is in the secured condition when the linkage is in the second position, wherein the portion of the motorcycle is received by the receiving portion and secured by the jaw when the clamp is in the secured
15 position, and wherein the free end of the jaw does not engage the receiving portion of the clamp when the clamp is in the secured condition.